

#3

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see pages 6-13



RAW SEQUENCE LISTING

DATE: 09/09/2002

PATENT APPLICATION: US/09/919,039

TIME: 11:51:53

Input Set : A:\pa0035us_seqlisting.txt

Output Set: N:\CRF4\09092002\I919039.raw

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3 <110> APPLICANT: Kaser, Matthew R.
5 <120> TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
7 <130> FILE REFERENCE: PA-0035 US
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/919,039
C--> 10 <141> CURRENT FILING DATE: 2002-09-09
12 <150> PRIOR APPLICATION NUMBER: 60/222,113
13 <151> PRIOR FILING DATE: 2000-07-28
15 <160> NUMBER OF SEQ ID NOS: 401
16 <170> SOFTWARE: PERL Program
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19 <211> LENGTH: 572
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
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24 <221> NAME/KEY: misc_feature
25 <223> OTHER INFORMATION: Incyte ID No: 220060.4
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29 ggccctacgg gcaccggtga atccaagtgt cctctgatgg tcaaagttct agatgctgtc 120
30 cgaggcagtc ctgccatcaa tgtggccgtg catgtgttca gaaaggctgc tgatgacacc 180
31 tgggagccat ttgcctctgg gaaaaccagt gagtctggag agctgcatgg gctcacaact 240
32 gaggaggaat ttgtagaagg gatatacaaa gtggaaatag acaccaaatac ttactggaag 300
33 gcacttggca tctccccatt ccatgagcat gcagaggtag tattcacagc caacgactcc 360
34 ggcccccgcc gctacaccat tgccgcctct ctgagcccct actcctattc caccacggct 420
35 gtcgtcacca atcccaagga atgaggagtg gacctgaagg acgagggatg ggatttcatg 480
36 taaccaagag tattccattt ttagtaaagc actgttttca cctcatatgc tatgttagaa 540
37 gtccaggcag agacaataaa acattcctgt ga 572
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40 <211> LENGTH: 263
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapiens
44 <220> FEATURE:
45 <221> NAME/KEY: misc_feature
46 <223> OTHER INFORMATION: Incyte ID No: 016238.1
48 <220> FEATURE:
49 <221> NAME/KEY: unsure
50 <222> LOCATION: 22, 26, 42
51 <223> OTHER INFORMATION: a, t, c, g, or other
53 <400> SEQUENCE: 2
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55 cattatgtgt aagagactgt gctaggcaat gtgaatgata ctaacatcaa caagatccaa 120
56 tctttcaggg acgtgatgcc tttaaggatc tggcaagcta gtgatatgtg tcagaaatca 180
57 aactaagaat tatctgatga atgttaactc tcctattgca ttagactatg aaaattatat 240

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Input Set : A:\pa0035us_seqlisting.txt
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62 <212> TYPE: DNA
63 <213> ORGANISM: Homo sapiens
65 <220> FEATURE:
66 <221> NAME/KEY: misc_feature
67 <223> OTHER INFORMATION: Incyte ID No: 1266683.1
69 <220> FEATURE:
70 <221> NAME/KEY: unsure
71 <222> LOCATION: 42, 161
72 <223> OTHER INFORMATION: a, t, c, g, or other
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76 cctgactgag aagaggacgc tcccgggaga cgaatgagga accacctcct cctactgttc 120
W--> 77 aagtacaggg gcctggtccg caaagggaag aaaagcaaaa nacgaaaatg gctaaattcg 180
78 tgatccgccc agccactgcc gccgactgca gt                                     212
80 <210> SEQ ID NO: 4
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82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapiens
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86 <221> NAME/KEY: misc_feature
87 <223> OTHER INFORMATION: Incyte ID No: 129384.1c
89 <220> FEATURE:
90 <221> NAME/KEY: unsure
91 <222> LOCATION: 482, 555
92 <223> OTHER INFORMATION: a, t, c, g, or other
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96 ctgcttttat acacagacgc ggctctcgcg acctcccctc cggggccccc ataaatacag 120
97 tatactgcca tttaaattaa gggcgcgggc ggagttagaa ggaccccagg agccgagagg 180
98 ctccacgaat aaataaaaac cgtaaaaaac caagcccgga gaaaggggaa agcgggggtg 240
99 ggcgcatacct tataggagag aagaggcgtg tagcgaataa agtgacagcc cccaccctg 300
100 gacccgcagg ctcaggagtc cacgcgggga gaggggatgg agaactctcc tcgcttcgtc 360
101 ctctctcccg gggaatccct aaccccgcat gcgttacctg tcgctttggg gaggccgctg 420
102 ccgggatccg gccccgaaca gcccgggggg gcagggggcg gggtcgtcga ggggatgggg 480
W--> 103 gnagagagca ggcggcgggc aggatgccc gggtagttg gcgagttccg gatcttcgct 540
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105 gggtcgtccg gg                                     612
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108 <211> LENGTH: 2536
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
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113 <221> NAME/KEY: misc_feature
114 <223> OTHER INFORMATION: Incyte ID No: 3201389CB1
116 <400> SEQUENCE: 5
117 cggctgatct ttggtttga gggagagact ggcgctggag ttttgaattc cgaatcatgt 60

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118 gcagaatgct gaattcttccc ccagccagga cgaataagac agcgcggaaa agcagattct 120
119 cgtaattctg gaattgcatg ttgcaaggag tctcctggat cttcgcaccc agcttcgggt 180
120 agggagggag tccgggtccc gggctaggcc agcccggcag gtggagaggg tccccggcag 240
121 cccgcgcgc ccctggccat gtctttaatg ccctgcccct tcatgtggcc ttctgagggt 300
122 tcccagggct ggccagggtt gtttcccacc cgcgcgcgcg ctctcaccce cagccaaacc 360
123 cacctggcag ggtccctcc agccagagacc ttttgattcc cggctcccgc gctccgcct 420
124 ccgcgccagc ccgggaggtg gccctggaca gccggacctc gcccgcccc ggctgggacc 480
125 atggtgtttc tctcgggaaa tgcctccgac agctccaact gcaccaacc gccggcaccg 540
126 gtgaacattt ccaaggccat tctgctcggg gtgatcttgg ggggcctcat tcttttcggg 600
127 gtgctgggta acatcctagt gatcctctcc gtagcctgtc accgacacct gcactcagtc 660
128 acgcactact acatcgtcaa cctggcgggt gccgacctcc tgctcacctc cacggtgctg 720
129 cccttctccg ccatcttcga ggtcctaggc tactgggcct tcggcagggt cttctgcaac 780
130 atctgggcgg cagtggatgt gctgtgctgc accgcgtcca tcatgggcct ctgcatcatc 840
131 tccatcgacc gctacatcgg cgtgagctac ccgtgcgct acccaaccat cgtcaccag 900
132 aggaggggtc tcatggctct gctctgcgtc tgggcactct ccctggctcat atccattgga 960
133 cccctgttcg gctggaggca gccggcccc gccgacgaga ccactctgcca gatcaacgag 1020
134 gagccgggtc acgtgctctt ctcagcgtg ggctccttct acctgcctct ggccatcatc 1080
135 ctggtcatgt actgccgct ctacgtggtg gccaaagagg agagccgggg cctcaagtct 1140
136 ggcctcaaga ccgacaagtc ggactcggag caagtgaagc tccgcatcca tcggaaaaac 1200
137 gccccggcag gaggcagcgg gatggccagc gccaaagacca agacgcactt ctacgtgagg 1260
138 ctccctcaagt tctcccggga gaagaaagcg gccaaaacgc tgggcatcgt ggtcgggtgc 1320
139 ttgctcctct gctggctgcc tttttctta gtcatgccc ttgggtcttt cttccctgat 1380
140 ttcaagccct ctgaaacagt ttttaaaata gtattttggc tcggatatct aaacagctgc 1440
141 atcaacccca tcatataccc atgtccagc caagagttca aaaaggcctt tcagaatgtc 1500
142 ttgagaatcc agtgtctccg cagaaagcag tcttccaaac atgcccgggg ctacaccctg 1560
143 caccgcacca gccaggccgt ggaagggcaa cacaaggaca tggtgcgcat ccccgaggga 1620
144 tcaagagaga cttctacag gatctccaag acggatggcg tttgtgaatg gaaatttttc 1680
145 tcttccatgc cccgtggatc tgccaggatt acagtgtcca aagaccaatc ctccgtgacc 1740
146 acagcccggt gacacacacc catgacatga agccagcttc ccgtccacga ctgttgtcct 1800
147 tactgccccaa ggaaggggag catgaaaccc accactggtc ctgcgacca ctgtctttgg 1860
148 aatccacccc aggagcccag gaggccttgc tgacacttgg atttacttct ttatcaagca 1920
149 tccatctgac taaggcacia atccaacatg ttactgttac tgatacagga aaaacagtaa 1980
150 cttaaggaat gatcatgaat gcaaagggaa agaggaaaag agccttcagg gacaaatagc 2040
151 tcgatttttt gtaaatacag ttcatacaac ctccctcccc catttcattc ttaaaagtta 2100
152 attgagaatc atcagccacg tgtagggtgt gaggaattcc ataaggcacc ccagtttctt 2160
153 caataagtaa atggcatttt taaaagggga acttttatgg gttaaaatat tcttaagaga 2220
154 tgtattcatc aagtatactg tacaagcctt gttcatttag attgaaacaa agtgtaaaaa 2280
155 gacatttttg aagtaattgg agaaaattaa gcataggctg tgcctatta gatgttagat 2340
156 aattagatcg ttatttttaa ttttggttga tgtgataatg gcattgtcct taactggtaa 2400
157 gtgcatatcg aagtatgttt gcaatttgc ttaaagtttt attgccaaaa gtggggaagc 2460
158 aagtgtgata gatgaaataa gaatggcagg caaggtcaca tgccgtactt ccatgtctgt 2520
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161 <210> SEQ ID NO: 6
162 <211> LENGTH: 429
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <223> OTHER INFORMATION: Incyte ID No: 3201389CD1

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170 <400> SEQUENCE: 6

171	Met	Val	Phe	Leu	Ser	Gly	Asn	Ala	Ser	Asp	Ser	Ser	Asn	Cys	Thr	
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173	Gln	Pro	Pro	Ala	Pro	Val	Asn	Ile	Ser	Lys	Ala	Ile	Leu	Leu	Gly	
174					20					25					30	
175	Val	Ile	Leu	Gly	Gly	Leu	Ile	Leu	Phe	Gly	Val	Leu	Gly	Asn	Ile	
176					35					40					45	
177	Leu	Val	Ile	Leu	Ser	Val	Ala	Cys	His	Arg	His	Leu	His	Ser	Val	
178					50					55					60	
179	Thr	His	Tyr	Tyr	Ile	Val	Asn	Leu	Ala	Val	Ala	Asp	Leu	Leu	Leu	
180					65					70					75	
181	Thr	Ser	Thr	Val	Leu	Pro	Phe	Ser	Ala	Ile	Phe	Glu	Val	Leu	Gly	
182					80					85					90	
183	Tyr	Trp	Ala	Phe	Gly	Arg	Val	Phe	Cys	Asn	Ile	Trp	Ala	Ala	Val	
184					95					100					105	
185	Asp	Val	Leu	Cys	Cys	Thr	Ala	Ser	Ile	Met	Gly	Leu	Cys	Ile	Ile	
186					110					115					120	
187	Ser	Ile	Asp	Arg	Tyr	Ile	Gly	Val	Ser	Tyr	Pro	Leu	Arg	Tyr	Pro	
188					125					130					135	
189	Thr	Ile	Val	Thr	Gln	Arg	Arg	Gly	Leu	Met	Ala	Leu	Leu	Cys	Val	
190					140					145					150	
191	Trp	Ala	Leu	Ser	Leu	Val	Ile	Ser	Ile	Gly	Pro	Leu	Phe	Gly	Trp	
192					155					160					165	
193	Arg	Gln	Pro	Ala	Pro	Glu	Asp	Glu	Thr	Ile	Cys	Gln	Ile	Asn	Glu	
194					170					175					180	
195	Glu	Pro	Gly	Tyr	Val	Leu	Phe	Ser	Ala	Leu	Gly	Ser	Phe	Tyr	Leu	
196					185					190					195	
197	Pro	Leu	Ala	Ile	Ile	Leu	Val	Met	Tyr	Cys	Arg	Val	Tyr	Val	Val	
198					200					205					210	
199	Ala	Lys	Arg	Glu	Ser	Arg	Gly	Leu	Lys	Ser	Gly	Leu	Lys	Thr	Asp	
200					215					220					225	
201	Lys	Ser	Asp	Ser	Glu	Gln	Val	Thr	Leu	Arg	Ile	His	Arg	Lys	Asn	
202					230					235					240	
203	Ala	Pro	Ala	Gly	Gly	Ser	Gly	Met	Ala	Ser	Ala	Lys	Thr	Lys	Thr	
204					245					250					255	
205	His	Phe	Ser	Val	Arg	Leu	Leu	Lys	Phe	Ser	Arg	Glu	Lys	Lys	Ala	
206					260					265					270	
207	Ala	Lys	Thr	Leu	Gly	Ile	Val	Val	Gly	Cys	Phe	Val	Leu	Cys	Trp	
208					275					280					285	
209	Leu	Pro	Phe	Phe	Leu	Val	Met	Pro	Ile	Gly	Ser	Phe	Phe	Pro	Asp	
210					290					295					300	
211	Phe	Lys	Pro	Ser	Glu	Thr	Val	Phe	Lys	Ile	Val	Phe	Trp	Leu	Gly	
212					305					310					315	
213	Tyr	Leu	Asn	Ser	Cys	Ile	Asn	Pro	Ile	Ile	Tyr	Pro	Cys	Ser	Ser	
214					320					325					330	
215	Gln	Glu	Phe	Lys	Lys	Ala	Phe	Gln	Asn	Val	Leu	Arg	Ile	Gln	Cys	
216					335					340					345	
217	Leu	Arg	Arg	Lys	Gln	Ser	Ser	Lys	His	Ala	Leu	Gly	Tyr	Thr	Leu	
218					350					355					360	

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219 His Pro Pro Ser Gln Ala Val Glu Gly Gln His Lys Asp Met Val
220                               365                               370                               375
221 Arg Ile Pro Val Gly Ser Arg Glu Thr Phe Tyr Arg Ile Ser Lys
222                               380                               385                               390
223 Thr Asp Gly Val Cys Glu Trp Lys Phe Phe Ser Ser Met Pro Arg
224                               395                               400                               405
225 Gly Ser Ala Arg Ile Thr Val Ser Lys Asp Gln Ser Ser Cys Thr
226                               410                               415                               420
227 Thr Ala Arg Gly His Thr Pro Met Thr
228                               425
229 <210> SEQ ID NO: 7
230 <211> LENGTH: 624
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <223> OTHER INFORMATION: Incyte ID No: 086390CB1
238 <400> SEQUENCE: 7
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241 gtcaccagtg aaagctggcg ttcgtttttc aaggaggctc tccaaggggt tggggacatg 180
242 ggcagagcct attgggacat aatgatatcc aatcaccaaa attcaaacag atatctctat 240
243 gctcggggaa actatgatgc tgcccaaaga ggacctgggg gtgtctgggc tgctaaactc 300
244 atcagccgtt ccagggtcta tcttcaggga ttaatagact actatttatt tggaacagc 360
245 agcactgtat tggaggactc gaagtccaac gagaaagctg aggaatgggg ccggagtggc 420
246 aaagaccccc accgcttcag acctgacggc ctgcctaaga aatactgagc ttcctgctcc 480
247 tctgctctca gggaaactgg gctgtgagcc acacacttct cccccagac agggacacag 540
248 ggtcactgag ctttgtgtcc ccaggaaactg gtatagggca cctagagggtg ttcaataaat 600
249 gtttgtcaaa ttgaaaaaaa aaaa                               624
251 <210> SEQ ID NO: 8
252 <211> LENGTH: 130
253 <212> TYPE: PRT
254 <213> ORGANISM: Homo sapiens
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <223> OTHER INFORMATION: Incyte ID No: 086390CD1
260 <400> SEQUENCE: 8
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262 1                               5                               10                               15
263 Val Thr Ser Glu Ser Trp Arg Ser Phe Phe Lys Glu Ala Leu Gln
264                               20                               25                               30
265 Gly Val Gly Asp Met Gly Arg Ala Tyr Trp Asp Ile Met Ile Ser
266                               35                               40                               45
267 Asn His Gln Asn Ser Asn Arg Tyr Leu Tyr Ala Arg Gly Asn Tyr
268                               50                               55                               60
269 Asp Ala Ala Gln Arg Gly Pro Gly Gly Val Trp Ala Ala Lys Leu
270                               65                               70                               75
271 Ile Ser Arg Ser Arg Val Tyr Leu Gln Gly Leu Ile Asp Tyr Tyr
272                               80                               85                               90

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RAW SEQUENCE LISTING ERROR SUMMARY
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Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:3; N Pos. 42,161
Seq#:4; N Pos. 482,555
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Seq#:82; N Pos. 220,221,222,223,224,225,226,227,228,229,230,231,232,233,234
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RAW SEQUENCE LISTING ERROR SUMMARY
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TIME: 11:51:54Input Set : A:\pa0035us_seqlisting.txt
Output Set: N:\CRF4\09092002\I919039.raw

Seq#:356; N Pos. 374,491
Seq#:361; N Pos. 29,208,234,241,244,257,279,297,307,308,310,327,330,332
Seq#:365; N Pos. 51,79,135,141,178,181,182,184,185,212,299,332,359,361
Seq#:371; N Pos. 1524
Seq#:379; N Pos. 236,237,238,239,240,241,242,243,244,245,246,247,248,249
Seq#:379; N Pos. 250,251,252,253,254,255,256,257,258,259,260,261,262,263
Seq#:379; N Pos. 264,265,266,267,268,269,270,271,272,273,274,275,276,277
Seq#:379; N Pos. 278,279,280,281,282,283,284,285,286,287,288,289,290,291
Seq#:379; N Pos. 292,293,294,295,296,297,298,299,300,301,302,303,304,305
Seq#:379; N Pos. 306,307,308,309,310,311,312,313,314,315,316,317,318,319
Seq#:379; N Pos. 320,321,322,323,324,325,326,327,328,329,330,331,332,333
Seq#:379; N Pos. 334,335,336,337,338,339,340,341,342,343,344,345,346,347
Seq#:379; N Pos. 348,349,350,351,352,353,354,355,356,357,358,359,360,361
Seq#:379; N Pos. 362,363,364,365,366,367,368,369,370,371,372,373,374,375
Seq#:379; N Pos. 376,377,378,379,380,381,382,383,384,385,386,387,388,389
Seq#:379; N Pos. 390,391,392,393,394,395,396,397,398,399,400,401,402,403
Seq#:379; N Pos. 404,405,406,407,408,409,410,411,412,413,414,415,416,417
Seq#:379; N Pos. 418,419,420,421,422,423,424,425,426,427,428,429,430,431
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Seq#:379; N Pos. 446,447,448,449,450,451,452,453,454,455,456,457,458,459
Seq#:379; N Pos. 460,461,462,463,464,465,466,467,468,469,470,471,472,473
Seq#:379; N Pos. 474,475,476,477,478,479,480,481,482,483,484,485,486,487
Seq#:379; N Pos. 488,489,490,491,492,493,494,495,496,497,498,499,500,501
Seq#:379; N Pos. 502,503,504,505,506,507,508,509,510,511,512,513,514,515
Seq#:379; N Pos. 516,517,518,519,520,521,522,523,524,525,526,527,528,529
Seq#:379; N Pos. 530,531,532,533,534,535,536,537,538,539,540,541,542,543
Seq#:379; N Pos. 544,545,546,547,548,549,550,551,552,553,554,555,556,557
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Seq#:379; N Pos. 572,573,574,575,576,577,578,579,580,581,582,583,584,585
Seq#:379; N Pos. 586,587,588,589,590
Seq#:380; N Pos. 2358,2359,2360,2361,2362,2363,2364,2365,2366,2367,2368
Seq#:380; N Pos. 2369,2370,2371,2372,2373,2374,2375,2376,2377,2378,2379
Seq#:380; N Pos. 2380,2381,2382,2383,2384,2385,2386,2387,2388,2389,2390
Seq#:380; N Pos. 2391,2392,2393,2394,2395,2396,2397,2398,2399,2400,2401
Seq#:380; N Pos. 2402,2403,2404,2405,2406,2407,2408,2409,2410,2411,2412
Seq#:380; N Pos. 2413,2414,2415,2416,2417,2418,2419,2420,2421,2422,2423
Seq#:380; N Pos. 2424,2425,2426,2427,2428,2429,2430,2431,2432,2433,2434
Seq#:380; N Pos. 2435,2436,2437,2438,2439,2440,2441,2442,2443,2444,2445
Seq#:380; N Pos. 2446,2447,2522,2523,2524,2525,2526,2527,2528,2529,2530
Seq#:380; N Pos. 2531,2532,2533,2534,2535,2536,2537,2538,2539,2540,2541
Seq#:380; N Pos. 2542,2543,2544,2545,2546,2547,2548,2549,2550,2551,2552
Seq#:380; N Pos. 2553,2554,2555,2556,2557,2558,2559,2560,2561,2562,2563
Seq#:380; N Pos. 2564,2565,2566,2567,2568,2569,2570,2571,2572,2573,2574
Seq#:380; N Pos. 2575,2576,2577,2578,2579,2580,2581,2582,2583,2584,2585
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Seq#:380; N Pos. 2597,2598,2599,2600,2601,2602,2603,2604,2605,2606,2607
Seq#:380; N Pos. 2608,2609,2610,2611,2612,2613,2614,2615,2616,2617,2618
Seq#:380; N Pos. 2619,2620,2621,2622,2623,2624,2625,2626,2627,2628,2629
Seq#:380; N Pos. 2630,2631,2632,2633,2634,2635,2636,2637,2638,2639,2640

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/919,039DATE: 09/09/2002
TIME: 11:51:54Input Set : A:\pa0035us_seqlisting.txt
Output Set: N:\CRF4\09092002\I919039.raw

Seq#:380; N Pos. 2641,2642,2643,2644,2645,2646,2647,2648,2649,2650,2651
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Seq#:380; N Pos. 2663,2664,2665,2666,2667,2668,2669,2670,2671,2672,2673
Seq#:380; N Pos. 2674,2675,2676,2677,2678,2679,2680,2681,2682,2683,2684
Seq#:380; N Pos. 2685,2686,2687,2688,2689,2690,2691,2692,2693,2694,2695
Seq#:380; N Pos. 2696,2697,2698,2699,2700,2701,2702,2703,2704,2705,2706
Seq#:380; N Pos. 2707,2708,2709,2710,2711,2712,2713,2714,2715,2716,2717
Seq#:380; N Pos. 2718,2719,2720,2721,2722,2723,2724,2725,2726,2727,2728
Seq#:380; N Pos. 2729,2730,2731,2732,2733,2734,2735,2736,2737,2738,2739
Seq#:380; N Pos. 2740,2741,2742,2743,2744,2745,2746,2747,2748,2749,2750
Seq#:380; N Pos. 2751,2752,2753,2754,2755,2756,2757,2758,2759,2760,2761
Seq#:380; N Pos. 2762,2763,2764,2765,2766,2767,2768,2769,2770,2771,2772
Seq#:380; N Pos. 2773,2774,2775,2776,2777,2778,2779,2780,2781,2782,2783
Seq#:380; N Pos. 2784,2785,2786,2787,2788,2789,2790,2791,2792,2793,2794
Seq#:380; N Pos. 2795,2796,2797,2798,2799,2800,2801,2802,2803,2804,2805
Seq#:380; N Pos. 2806,2807,2808,2809,2810,2811,2812,2813,2814,2815,2816
Seq#:380; N Pos. 2817,2818,2819,2820,2821,2822,2823,2824,2825,2826,2827
Seq#:380; N Pos. 2828,2829,2830,2831,2832,2833,2834,2835,2836,2837,2838
Seq#:380; N Pos. 2839,2840,2841,2842,2843
Seq#:383; N Pos. 850
Seq#:385; N Pos. 847,856
Seq#:386; N Pos. 1841,1842,1843,1844,1845,1846,1847,1848,1849,1850,1851
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Seq#:386; N Pos. 1863,1864,1865,1866,1867,1868,1869,1870,1871,1872,1873
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Seq#:386; N Pos. 1962,1963,1964,1965,1966,1967,1968,1969,1970,1971,1972
Seq#:386; N Pos. 1973,1974,1975,1976,1977,1978,1979,1980,1981,1982,1983
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Seq#:386; N Pos. 1995,1996,1997,1998,1999,2000,2001,2002,2003,2004,2005
Seq#:386; N Pos. 2006,2007,2008,2009,2010
Seq#:392; N Pos. 174
Seq#:396; N Pos. 525
Seq#:398; N Pos. 540,541,542,543,544,545,546,547,548,549,550,551,552,553
Seq#:398; N Pos. 554,555,556,557,558,559,560,561,562,563,564,565,566,567
Seq#:398; N Pos. 568,569,570,571,572,573,574,575,576,577,578,579,580,581
Seq#:398; N Pos. 582,583,584,585,586,587,588,589,590,591,592,593,594,595
Seq#:398; N Pos. 596,597,598,599,600,601,602,603,604,605,606,607,608,609
Seq#:398; N Pos. 610,611,612,613,614,615,616,617,618,619,620,621,622,623
Seq#:398; N Pos. 624,625,626,627,628,629,630,631,632,633,634,635,636,637
Seq#:398; N Pos. 638,639,640,641,642,643,644,645,646,647,648,649,650,651
Seq#:398; N Pos. 652,653,654,655,656,657,658,659,660,661,662,663,664,665
Seq#:398; N Pos. 666,667,668

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/919,039DATE: 09/09/2002
TIME: 11:51:54Input Set : A:\pa0035us_seqlisting.txt
Output Set: N:\CRF4\09092002\I919039.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:480
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:540
L:2001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:3720
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:3780
L:2003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:3840
L:2004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:3900
L:2528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:2536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:480
L:3210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:900
L:3475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:3628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:540
L:3629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:600
L:3630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:660
L:3631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:720
L:3632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:780
L:3653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:3655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:120
L:3929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:2820
L:4437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:4500
L:4438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:4560
L:4447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:5100
L:4733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:3780
L:5157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:300
L:5158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:360
L:5200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:5201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:60
L:5202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:120
L:5203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:180
L:5204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:240
L:5214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:840
L:5215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:900
L:5405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:5411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:360
L:5423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1080
L:5424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1140
L:5425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1200
L:5426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1260
L:5427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1320
L:5428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:1380
L:5459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:480
L:5460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:540
L:5461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:600
L:5463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:720

VERIFICATION SUMMARY

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PATENT APPLICATION: US/09/919,039

TIME: 11:51:54

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L:5464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:780
L:5465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:840
L:5466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:900
L:5467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:960

STATISTICS SUMMARY

PATENT APPLICATION: US/09/919,039

DATE: 09/09/2002

TIME: 11:51:54

Input Set : A:\pa0035us_seqlisting.txt

Output Set: N:\CRF4\09092002\I919039.raw

Application Serial Number: US/09/919,039

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 09-09-2002

Art Unit:

Software Application: OTHER

Total Number of Sequences: 401

Total Nucleotides: 631045

Total Amino Acids: 45543

Number of Errors: 0

Number of Warnings: 233

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)

341 W: 233 ((46) "n" or "Xaa" used)